PATEN	<b>'T</b>
Attorney's Docket No. BH-0102	
COMBINED DECLARATION AND POWER OF ATTORNEY	
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISI CONTINUATION OR CIP)	ONAL,
As a below named inventor, I hereby declare that:	
TYPE OF DECLARATION	
This declaration is of the following type: (check one applicable item below)	
XX XXXXXX PROVISIONAL	
design	
supplemental	
NOTE: If the declaration is for an International Application being filed as a divisional, continuation tion-in-part application do <u>not</u> check next item; check appropriate one of last three items.	n or continua
national stage of PCT	
NOTE: If one of the following 3 items apply then complete and also attach ADDED PAGES FOR CONTINUATION OR CIP.	DIVISIONAL
☐ divisional	
continuation	
continuation-in-part (CIP)	
INVENTORSHIP IDENTIFICATION	
<b>WARNING:</b> If the inventors are each not the inventors of all the claims an explanation of the fact the ownership of all the claims at the time the last claimed invention was made, should ted.	cts, including Id be submit
My residence, post office address and citizenship are as stated below next to me believe I am the original, first and sole inventor (if only one name is listed below) inal, first and joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought on the invention entitled:	or an orig-
A JOINT ZERO-FORCING AND MATCHED-FILTER ADAPTIVE	
DIGITAL EQUALIZER	
SPECIFICATION IDENTIFICATION	
the specification of which: (complete (a), (b) or (c))	
(a) X is attached hereto.	
(b) was filed on as _ Serial No. 0 /	
or Express Mail No., as Serial No. not yet known and was amended on (if applied)	·
NOTE: Amendments filed after the original papers are deposited with the PTO which contain new not accorded a filing date by being referred to in the declaration. Accordingly, the ame volved are those filed with the application papers or, in the case of a supplemental dec those amendments claiming matter not encompassed in the original statement of invention See 37 CFR 1.67.	endments in- claration, are

(Declaration and Power of Attorney [1-1]—page 1 of 4)

(c)		was	described	and	claime	ed filed	in on		Internati	onal	Appl	ication	No.
,		amen	nded under P	CT Art						•	(if .	and <i>any</i> ).	as t
	AC	KNOV	VLEDGEMEN	NT OF	REVIE	w o	F P/	APERS	AND DU	TY OF	CAN	IDOR	
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.													
I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations. § 1.56(a).													
In compliance with this duty there is attached an information disclosure statement. 37 CFR 1.97.													
PRIORITY CLAIM													
I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.													
(complete (d) or (e))													
(d) 🔼 no such applications have been filed.													
(e) such applications have been filed as follows.													
NOTE: Where item (c) is entered above and the International Application which designated the U.S. claimed priority check item (e), enter the details below and make the priority claim.													
EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION													
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ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION													
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(Declaration and Power of Attorney [1-1]—page 2 of 4)

## **POWER OF ATTORNEY**

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (*List name and registration number*)

ROBERT A. BROWN, Reg. No. 26,149

(check the following item, if applicable)

Attached as part of this declaration and power the above-named attorney(s) to accept and presentative(s).	of attorney is the authorization of follow instructions from my re
SEND CORRESPONDENCE TO	DIRECT TELEPHONE CALLS TO: (Name and telephone number)
ROBERT A. BROWN P. O. BOX 2127 NORTHBROOK, TILLINOIS 60065-2127	ROBERT A. BROWN 847/272-3182 847/272-3176

## **DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## SIGNATURE(S)

Full name of sole or first inventor, FRANK PATRICK BOLOGNA						
Inventor's signature frank Bulgan						
Date 5/16/0/ Country of Citizenship U.S.A.						
Residence 3950 Leland Street, San Diego, California 92138						
Post Office Address P. O. Box 80525						
San Diego, California 92138-0525						
Full name of second joint inventor, if any PREDRIC JOEL HARRIS Inventor's signature						
Date 6 - M/M 2001 Country of Citizenship U.S.A.						
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Post Office Address P. O. Box 489						
Lemon Grove, California 91946						

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PTO/SB/09 (12-97)
And well for use through 9/30/00, OMB 0651-0031
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) & 1.27(b))—INDEPENDENT INVENTOR

**Docket Number (Optional)** 

BH-0102

Applicant, Patentee, or Identifier.	FRANK P. BOLOGNA and FREI	DRIC J. HARRIS
Application or Patent No.:		· · · · · · · · · · · · · · · · · · ·
Filed or Issued:	*	
*	NG AND MATCHED-FILTER AD	APTIVE DIGITAL EOUALIZER
	eby state that I qualify as an independe es to the Patent and Trademark Office	ent inventor as defined in 37 CFR 1.9(c) described in:
the specification filed herev	with with title as listed above.	
the application identified ab	ove.	
the patent identified above.		
grant, convey, or license, any rights under 37 CFR 1.9(c) if that person	s in the invention to any person who wo	bligation under contract or law to assign, uld not qualify as an independent inventor ncern which would not qualify as a small r 37 CFR 1.9(e).
Each person, concern, or organize obligation under contract or law to	ation to which I have assigned, grante assign, grant, convey, or license any	ed, conveyed, or licensed or am under an rights in the invention is listed below:
No such person, concern	, or organization exists.	n de la companya de La companya de la co
Each such person, conce	ern, or organization is listed below.	action of the second of the se
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	from each named norses access	organization having rights to the invention
stating their status as small entitie	5 525	or Agrication Hasing rights to the invention
entitlement to small entity status	prior to paying, or at the time of pay	of any change in status resulting in loss of ying, the earliest of the issue fee or any no longer appropriate. (37 CFR 1.28(b))
FRANK P. BOLOGNA	FREDRIC J. HARRIS	
NAMEOFINVENTOR	NAMEOFINVENTOR	NAME OF INVENTOR
Frank Bologo	fredry ich	_
Signature of inventor	Signature of inventor	Signature of inventor
5/16/01	16-MAY 2001	_
Date	Date	Date
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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will very depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.